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 <212> PRT
 <213> Homo sapiens

<400> 2

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Trp Leu Val Trp Leu Leu Leu Leu Leu Leu Ala Ser Leu Leu Pro Ser
 35 40 45

Ala Arg Leu Ala Ser Pro Leu Pro Arg Glu Glu Glu Ile Val Phe Pro
 50 55 60

D2 Glu Lys Leu Asn Gly Ser Val Leu Pro Gly Ser Gly Ala Pro Ala Arg
 65 70 75 80

Leu Leu Cys Arg Leu Gln Ala Phe Gly Glu Thr Leu Leu Leu Glu Leu
 85 90 95

Glu Gln Asp Ser Gly Val Gln Val Glu Gly Leu Thr Val Gln Tyr Leu
 100 105 110

Gly Gln Ala Pro Glu Leu Leu Gly Gly Ala Glu Pro Gly Thr Tyr Leu
 115 120 125

Thr Gly Thr Ile Asn Gly Asp Pro Glu Ser Val Ala Ser Leu His Trp
 130 135 140

Asp Gly Gly Ala Leu Leu Gly Val Leu Gln Tyr Arg Gly Ala Glu Leu
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His Leu Gln Pro Leu Glu Gly Gly Thr Pro Asn Ser Ala Gly Gly Pro
 165 170 175

Gly Ala His Ile Leu Arg Arg Lys Ser Pro Ala Ser Gly Gln Gly Pro
 180 185 190

Met Cys Asn Val Lys Ala Pro Leu Gly Ser Pro Ser Pro Arg Pro Arg
 195 200 205

Arg Ala Lys Arg Phe Ala Ser Leu Ser Arg Phe Val Glu Thr Leu Val
210 215 220

Val Ala Asp Asp Lys Met Ala Ala Phe His Gly Ala Gly Leu Lys Arg
225 230 235 240

Tyr Leu Leu Thr Val Met Ala Ala Ala Ala Lys Ala Phe Lys His Pro
245 250 255

Ser Ile Arg Asn Pro Val Ser Leu Val Val Thr Arg Leu Val Ile Leu
260 265 270

Gly Ser Gly Glu Glu Gly Pro Gln Val Gly Pro Ser Ala Ala Gln Thr
275 280 285

Leu Arg Ser Phe Cys Ala Trp Gln Arg Gly Leu Asn Thr Pro Glu Asp
290 295 300

Ser Asp Pro Asp His Phe Asp Thr Ala Ile Leu Phe Thr Arg Gln Asp
305 310 315 320

Leu Cys Gly Val Ser Thr Cys Asp Thr Leu Gly Met Ala Asp Val Gly
325 330 335

Thr Val Cys Asp Pro Ala Arg Ser Cys Ala Ile Val Glu Asp Asp Gly
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Leu Gln Ser Ala Phe Thr Ala Ala His Glu Leu Gly His Val Phe Asn
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Met Leu His Asp Asn Ser Lys Pro Cys Ile Ser Leu Asn Gly Pro Leu
370 375 380

Ser Thr Ser Arg His Val Met Ala Pro Val Met Ala His Val Asp Pro
385 390 395 400

Glu Glu Pro Trp Ser Pro Cys Ser Ala Arg Phe Ile Thr Asp Phe Leu
405 410 415

Asp Asn Gly Tyr Gly His Cys Leu Leu Asp Lys Pro Glu Ala Pro Leu
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His Leu Pro Val Thr Phe Pro Gly Lys Asp Tyr Asp Ala Asp Arg Gln
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Cys Gln Leu Thr Phe Gly Pro Asp Ser Arg His Cys Pro Gln Leu Pro
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Pro Pro Cys Ala Ala Leu Trp Cys Ser Gly His Leu Asn Gly His Ala
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Met Cys Gln Thr Lys His Ser Pro Trp Ala Asp Gly Thr Pro Cys Gly
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Pro Ala Gln Ala Cys Met Gly Gly Arg Cys Leu His Met Asp Gln Leu
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Trp Gly Asp Cys Ser Arg Thr Cys Gly Gly Gly Val Gln Phe Ser Ser
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Gly Arg Arg Thr Arg Phe Arg Ser Cys Asn Thr Glu Asp Cys Pro Thr
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Gly Ser Ala Leu Thr Phe Arg Glu Glu Gln Cys Ala Ala Tyr Asn His
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Arg Thr Asp Leu Phe Lys Ser Phe Pro Gly Pro Met Asp Trp Val Pro
595 600 605

Arg Tyr Thr Gly Val Ala Pro Gln Asp Gln Cys Lys Leu Thr Cys Gln
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Ala Arg Ala Leu Gly Tyr Tyr Tyr Val Leu Glu Pro Arg Val Val Asp
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Cys Ile His Ala Gly Cys Asp Arg Ile Ile Gly Ser Lys Lys Lys Phe
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Asp Lys Cys Met Val Cys Gly Gly Asp Gly Ser Gly Cys Ser Lys Gln
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Ile Pro Ala Gly Ala Thr His Ile Leu Val Arg Gln Gln Gly Asn Pro
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Gly His Arg Ser Ile Tyr Leu Ala Leu Lys Leu Pro Asp Gly Ser Tyr
725 730 735

Ala Leu Asn Gly Glu Tyr Thr Leu Met Pro Ser Pro Thr Asp Val Val
740 745 750

Leu Pro Gly Ala Val Ser Leu Arg Tyr Ser Gly Ala Thr Ala Ala Ser
755 760 765

Glu Thr Leu Ser Gly His Gly Pro Leu Ala Gln Pro Leu Thr Leu Gln
770 775 780

Val Leu Val Ala Gly Asn Pro Gln Asp Thr Arg Leu Arg Tyr Ser Phe
785 790 795 800

Phe Val Pro Arg Pro Thr Pro Ser Thr Pro Arg Pro Thr Pro Gln Asp
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<210> 15
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<212> PRT

<213> Homo sapiens

<400> 15

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Glu Glu Val Gln Glu Arg Ala Glu Pro Pro Gly His Pro His Pro Leu
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Ala Gln Arg Arg Arg Ser Lys Gly Leu Val Gln Asn Ile Asp Gln Leu
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Tyr Ser Gly Gly Gly Lys Val Gly Tyr Leu Val Tyr Ala Gly Gly Arg
85 90 95

Arg Phe Leu Leu Asp Leu Glu Arg Asp Gly Ser Val Gly Ile Ala Gly
100 105 110

Phe Val Pro Ala Gly Gly Gly Thr Ser Ala Pro Trp Arg His Arg Ser
115 120 125

His Cys Phe Tyr Arg Gly Thr Val Asp Ala Ser Pro Arg Ser Leu Ala
130 135 140

Val Phe Asp Leu Cys Gly Gly Leu Asp Gly Phe Phe Ala Val Lys His
145 150 155 160

Ala Arg Tyr Thr Leu Lys Pro Leu Leu Arg Gly Pro Trp Ala Glu Glu
165 170 175

Glu Lys Gly Arg Val Tyr Gly Asp Gly Ser Ala Arg Ile Leu His Val
180 185 190

Tyr Thr Arg Glu Gly Phe Ser Phe Glu Ala Leu Pro Pro Arg Ala Ser
195 200 205

Cys Glu Thr Pro Ala Ser Thr Pro Glu Ala His Glu His Ala Pro Ala

210 215 220
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 Gln Ser Ala Leu Ser Pro Ala Gly Gly Ser Gly Pro Gln Thr Trp Trp
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 Leu Val Ala Asp Ala Ser Met Ala Arg Leu Tyr Gly Arg Gly Leu Gln
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 Ala Ser Ile Glu Asn His Ile Arg Leu Ala Val Val Lys Val Val Val
 305 310 315 320
 D2 Leu Gly Asp Lys Asp Lys Ser Leu Glu Val Ser Lys Asn Ala Ala Thr
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 Thr Leu Lys Asn Phe Cys Lys Trp Gln His Gln His Asn Gln Leu Gly
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 Asp Asp His Glu Glu His Tyr Asp Ala Ala Ile Leu Phe Thr Arg Glu
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 Asp Leu Cys Gly His His Ser Cys Asp Thr Leu Gly Met Ala Asp Val
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 Gly Thr Ile Cys Ser Pro Glu Arg Ser Cys Ala Val Ile Glu Asp Asp
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 Gly Leu His Ala Ala Phe Thr Val Ala His Glu Ile Gly His Leu Leu
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 Gly Leu Ser His Asp Asp Ser Lys Phe Cys Glu Glu Thr Phe Gly Ser
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 Thr Glu Asp Lys Arg Leu Met Ser Ser Ile Leu Thr Ser Ile Asp Ala
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Ser Lys Pro Trp Ser Lys Cys Thr Ser Ala Thr Ile Thr Glu Phe Leu
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Lys Arg Ala Ile Tyr Arg Ser Cys Ser Leu Met Pro Cys Pro Pro Asn
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675 680 685

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690 695 700

Arg Thr Gly Cys Asp Gly Ile Ile Gly Ser Lys Leu Gln Tyr Asp Lys
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Cys Gly Val Cys Gly Gly Asp Asn Ser Ser Cys Thr Lys Ile Val Gly
725 730 735

Thr Phe Asn Lys Lys Ser Lys Gly Tyr Thr Asp Val Val Arg Ile Pro
740 745 750

Glu Gly Ala Thr His Ile Lys Val Arg Gln Phe Lys Ala Lys Asp Gln
755 760 765

Thr Arg Phe Thr Ala Tyr Leu Ala Leu Lys Lys Lys Asn Gly Glu Tyr
770 775 780

Leu Ile Asn Gly Lys Tyr Met Ile Ser Thr Ser Glu Thr Ile Ile Asp
785 790 795 800

Ile Asn Gly Thr Val Met Asn Tyr Ser Gly Trp Ser His Arg Asp Asp
805 810 815

Phe Leu His Gly Met Gly Tyr Ser Ala Thr Lys Glu Ile Leu Ile Val
820 825 830

Gln Ile Leu Ala Thr Asp Pro Thr Lys Pro Leu Asp Val Arg Tyr Ser
835 840 845

Phe Phe Val Pro Lys Lys Ser Thr Pro Lys Val Asn Ser Val Thr Ser
850 855 860

His Gly Ser Asn Lys Val Gly Ser His Thr Ser Gln Pro Gln Trp Val
865 870 875 880

Thr Gly Pro Trp Leu Ala Cys Ser Arg Thr Cys Asp Thr Gly Trp His
885 890 895

Thr Arg Thr Val Gln Cys Gln Asp Gly Asn Arg Lys Leu Ala Lys Gly
 900 905 910

Cys Pro Leu Ser Gln Arg Pro Ser Ala Phe Lys Gln Cys Leu Leu Lys
 915 920 925

Lys Cys
 930

<210> 16
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 16

Ser Ile Ser Arg Ala Arg Gln Val Glu Leu Leu Leu Val Ala Asp Ala
 1 5 10 15

Ser Met Ala Arg Met Tyr Gly Arg Gly Leu Gln His Tyr Leu Leu Thr
 20 25 30

Leu Ala Ser Ile Ala Asn Lys Leu Tyr Phe
 35 40

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 <212> DNA
 <213> Mus musculus

<400> 17
 cggccacgac cctcaagaac ttt

23

<210> 18
 <211> 25
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<400> 18
 gcatggaggc catcatcttc aatca

25

<210> 19
 <211> 22
 <212> DNA
 <213> Homo sapiens

<400> 19
 gggaggattt atgtgggcat ca

22

<210> 20
<211> 23
<212> DNA
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<400> 20
gtgcatttgg accagggctt aga

23

<210> 21
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D2
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Ser Ile Ser Arg Ala Arg Gln Val Glu Leu Leu Xaa Cys
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<210> 22
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<400> 22
Asn Ile Thr Glu Gly Glu Ala Arg Gly Ser Val Ile Leu Thr
1 5 10

<210> 23
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<400> 23
Asn Ile Thr Glu Gly Glu Ala Arg Gly Ser Val Ile Leu Thr
1 5 10

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<400> 24

Asn Ile Thr Glu Gly Glu Ala Arg Gly Asn Val Ile Leu Thr
1 5 10

<210> 25
<211> 14
<212> PRT
<213> mouse

<400> 25

Asn Val Thr Glu Gly Glu Ala Leu Gly Ser Val Ile Leu Thr
1 5 10

<210> 26
<211> 14
<212> PRT
<213> pig

<400> 26

Asn Ile Thr Glu Gly Glu Ala Arg Gly Thr Val Ile Leu Thr
1 5 10

<210> 27
<211> 14
<212> PRT
<213> sheep

<400> 27

Asn Ile Thr Glu Gly Glu Ala Arg Gly Asn Val Ile Leu Thr
1 5 10

<210> 28
<211> 11
<212> PRT
<213> chicken

<400> 28

Asn Val Thr Glu Glu Glu Ala Arg Gly Ser Ile
1 5 10

<210> 29

<211> 14
<212> PRT
<213> horse

<400> 29

Asn Ile Thr Glu Gly Glu Ala Arg Gly Asn Val Ile Leu Thr
1 5 10

<210> 30
<211> 16
<212> PRT
<213> homo sapiens

<400> 30

Ala Ser Thr Ala Ser Glu Leu Glu Gly Arg Gly Thr Ile Gly Ile Ser
1 5 10 15

<210> 31
<211> 16
<212> PRT
<213> bovine

<400> 31

Ala Thr Thr Ala Gly Glu Leu Glu Gly Arg Gly Thr Ile Asp Ile Ser
1 5 10 15

<210> 32
<211> 16
<212> PRT
<213> mouse

<400> 32

Ala Thr Thr Ser Ser Glu Leu Glu Gly Arg Gly Thr Ile Gly Ile Ser
1 5 10 15

<210> 33
<211> 16
<212> PRT
<213> rat

<400> 33

Ala Thr Thr Ala Ser Glu Leu Glu Gly Arg Gly Thr Ile Ser Val Ser
1 5 10 15

<210> 34
<211> 16
<212> PRT

<213> homo sapiens

<400> 34

Pro Thr Thr Phe Lys Glu Glu Glu Gly Leu Gly Ser Val Glu Leu Ser
1 5 10 15

<210> 35

<211> 16

<212> PRT

<213> bovine

<400> 35

Pro Thr Thr Phe Lys Glu Glu Glu Gly Leu Gly Ser Val Glu Leu Ser
1 5 10 15

<210> 36

<211> 16

<212> PRT

<213> rat

<400> 36

Pro Thr Thr Phe Arg Glu Glu Glu Gly Leu Gly Ser Val Glu Leu Ser
1 5 10 15

D2 <210> 37

<211> 16

<212> PRT

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<400> 37

Pro Thr Thr Phe Arg Glu Glu Glu Gly Leu Gly Ser Val Glu Leu Ser
1 5 10 15

<210> 38

<211> 16

<212> PRT

<213> homo sapiens

<400> 38

Thr Gln Ala Pro Thr Ala Gln Glu Ala Gly Glu Gly Pro Ser Gly Ile
1 5 10 15

<210> 39

<211> 16

<212> PRT

<213> bovine

<400> 39

Thr Gln Ala Pro Thr Ala Gln Glu Ala Gly Glu Gly Pro Ser Gly Ile
1 5 10 15

<210> 40

<211> 16

<212> PRT

<213> rat

<400> 40

Thr Leu Ala Pro Thr Ala Gln Glu Ala Gly Glu Gly Pro Ser Ser Ile
1 5 10 15

<210> 41

<211> 16

<212> PRT

<213> mouse

<400> 41

Thr Gln Ala Pro Thr Ala Gln Glu Ala Gly Glu Gly Pro Ser Gly Ile
1 5 10 15

<210> 42

<211> 16

<212> PRT

<213> chicken

<400> 42

Thr Gln Thr Ser Val Ala Gln Glu Val Gly Glu Gly Pro Ser Gly Met
1 5 10 15

<210> 43

<211> 17

<212> PRT

<213> homo sapiens

<400> 43

Thr Glu Pro Thr Ile Ser Gln Glu Leu Leu Gly Gln Arg Pro Pro Val
1 5 10 15

Thr

<210> 44

<211> 16

<212> PRT

<213> bovine

<400> 44

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<213> rat

<400> 45

Thr	Glu	Pro	Thr	Val	Ser	Gln	Glu	Leu	Gly	His	Gly	Pro	Ser	Met	Thr
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<211> 16

<212> PRT

<213> mouse

<400> 46

D2

Thr	Glu	Pro	Thr	Val	Ser	Gln	Glu	Leu	Gly	His	Gly	Pro	Ser	Met	Thr
1				5					10					15	

<210> 47

<211> 16

<212> PRT

<213> chicken

<400> 47

Thr	Arg	Pro	Thr	Val	Ser	Gln	Glu	Leu	Gly	Gly	Glu	Thr	Ala	Val	Thr
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<210> 48

<211> 16

<212> PRT

<213> dog

<400> 48

Thr	Glu	Pro	Thr	Val	Ser	Gln	Glu	Leu	Ala	Gln	Arg	Pro	Pro	Val	Thr
1				5					10					15	
